

scanning disc so as to project a complex scanning pattern through said scanning window and within the spatial extent of a predefined 3-D scanning volume disposed directly above the said holographic scanning disc; and

a plurality of parabolic light collecting mirrors disposed beneath said holographic scanning disc,

wherein the geometrical dimensions of only said beam folding mirrors in conjunction with the geometrical dimensions of said holographic scanning disc substantially determine said width and length dimensions of said scanner housing, and

wherein said geometrical dimensions of only said beam folding mirrors and parabolic light collecting mirrors beneath said holographic scanning disc substantially determine said height dimension of said scanner housing.

Claim 70 (currently amended): The holographic laser scanner of claim 69, wherein each said laser beam source comprises a laser diode, and wherein said holographic laser scanner further comprises a photodetector arranged with each parabolic said light collecting mirror for producing scan data signals.